Approved For Release 2002/08/26 : CIA-RDP78-02820A000100080006-6

SECRET

	The Files	20	September 1956
25X1A9A			
25X1A5A1	Trip Report to	and others	
5X1 5X1	l. An initial visit was mad during the a tion with Task O Semi-automatic Agent Two-way Comm	fternoon of 6 September 1956, rder 1. for the development of	of the AS-3
25X1A			
25X1A5A1	2. The Task Order was accept the contractor is allowed 18 month the development activity and for contract cost is approximately \$1 directed toward the execution of and August. One mechanical engine September 1956. The contractor's ment activity were expressed as dified engineers for the work and smoving into a new engineering labelessign senior engineers to the pretronic engineering personnel. A various components of the AS-3. due. The contractor was instructed officer in writing, advising of his tent of the contract.	shipment of the deliverable in 80,000. The contractor made the Task Order during the moneer was assigned to the project reasons for failure to initialificulties encountered in his come organizational disruption oratory building. The compandoject as well as additional for development schedule must be an initial bi-monthly progressed to submit a report to the	mpletion of tems. The no progress of July ect on 4 lete developing qualities to be to full time elections report is Contracting ete the in-
25X1A5A1 25X1A5A1 25X1A5A1	with the This visit permitted a discussion providing a transistorized power; has just completed the design of the company plans to manufacture at 7000 units per year. The unit in aircraft. The specifications is ment require operation from -40 to the efficiency, 93 per cent, is un transistorized power supply for the	supply for the RS-11 equipmenthe 100 watt transistor power as a proprietary item with privall replace a 28 volt dynamic for the transistorized dynamic /80 degrees centigrade (174 neommonly high.	ility of t. Mr

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for the transmitter from a 12 volt source would require a volume of 10 cubic inches or about 1/3 the size of the present EA-1315/U. This inquirey was based on a rather general thought that eventually all communications equipment will be capable of being powered from a 12 volt storage battery or other 12 volt source (i.e., a thermo electric or solar generator).

		attery or other 12 volt source (i.e., a thermo electric or solar genera- or).			
		4. A visit was made to the			
	25X1A [1956 in connection with Present were: 25X1			
25X1					
	25X1A5A1	5. had advised earlier of an improved key click filter design (inspired by the laboratory) to reduce key click radiation. The undersigned delivered five transmitters for modification. engineers demonstrated a "Before and After" modification radiation test, the results of which indicated a positive improvement. Acceptance tests will be made by the RED Laboratory whose test methods are more rigorous. The five sets were modified and returned to the undersigned.			
		6. One each, RR-lia and RR-lib were returned to the contractor for an explanation of the output circuitry which differed from that indicated in the schematics. The contractor advised that the LAKA in the output stage of the RR-lia was in error and should have been a LAD5. He also advised that the "A" schematic should show a 27K resistor in the grid of the RFO, and the "B" schematic should show a 270K resistor in the EFO			
		grid advised that they had reduced the bias on the "A" receiver to eliminate spurious responses occuring at EFO harmonics. The company was advised that spurious response tests had not been made on the "B" receiver to date, and that it may also be necessary to make this same change on the "B" units was requested to hold these two re-			
	25X1A5A1	7 was to have calibrated an "A" and "B" receiver using the logging scale in lieu of the dial for frequency identification. A frequency tuning and resetability accuracy of 20 kc/s was anticipated. Receiver tuning would then be accomplished by reference to a chart of frequency versus logging scale graduations. The chart would be permanently			
	25X1A5A1	attached to the receiver case. This method of receiver tuning is			
	25X1A5A	8. expressed his regrets for the difficulties encountered with the RS-11A/B and said they would do everything possible to make the			

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25X1A5A1	units acceptable to us. The undersigned expressed the opinion that it did not seem practicable to calibrate each set in production for a 20 kc/s tuning accuracy necessitating the need for an individual chart for each receiver said he planned to average out calibration data from several receivers to determine if calibration accuracy requirements could be met with averaged figures for a single receiver chart.
25X1A	
	10. was visited on 5X1A5A1 10 September 1956. This company was visited for the purpose of discussing
	the ET-2 electro-mechanical keyer does work for TSS and heg5X1A5A1 a full contractual clearance. Present for a discussion of the ET-2 keyer were:
25X1A	
25X1A5A	to undertake a study of the equipment to see what might be done to improve its reliability. The undersigned agreed to provide with an 25×1A5A1 abstract copy of an evaluation report on the unit when available, and suggested that the company consider a three phase proposal to include a short study phase of approximately one month. The study phase should be included with recommendations for phase two improvement of the equipment to establish reliability without major modification and a phase three program
25X1A5A ⁻	calling for repackaging of the unit for brief-case dimensions. These similar suggestions were also made (paragraph 7 above) at the25X1A5A1

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	25X1A5A1	company was completing a shipment of 13 pilot trainers to the Air Force and has under development a sonar training device for training service personnel in identifying and tracking waterborn craft without going to sea. The company is also developing a training device for truck drivers. has had no experience with miniaturization techniques nor					
		with transmitters. The work were impressive.	efficiency of the pla	ant and the quality of the			
Man I was a second							
					25X1A9A		
		OC-E/R&D-EP/CEM:wlm	(20 September 1956)				
		cc: Monthly Report (2) RAD Subject File OC-O&T					
		OC-E					